

\*\*\*\*\*  
 \*\*\* TX REPORT \*\*\*  
 \*\*\*\*\*

TRANSMISSION OK

TX/RX NO 2948  
 CONNECTION TEL 916178327000  
 SUBADDRESS  
 CONNECTION ID  
 ST. TIME 08/24 13:55  
 USAGE T 01'03  
 PGS. 2  
 RESULT OK



UNITED STATES PATENT AND TRADEMARK OFFICE

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 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
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# Fax Cover Sheet

Date: 24 Aug 2004

To: Jennifer Holmes	From: Christopher H Yaen
Application/Control Number: 09/538106	Art Unit: 1642
Fax No.: 617-832-7000	Phone No.: 703-305-3586 571-272-0838
Voice No.: 617-832-1770	Return Fax No.: 703-308-4242 571-273-0838
Re: Sequence Alignment	CC:
<input type="checkbox"/> Urgent <input type="checkbox"/> For Review <input type="checkbox"/> For Comment <input type="checkbox"/> For Reply <input checked="" type="checkbox"/> Per Your Request	

Comments:

As requested a copy of the sequence alignment

Christopher Yaen  
 Art Unit 1642



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**Date:** 24 Aug 2004

<b>To:</b> Jennifer Holmes	<b>From:</b> Christopher H Yaen
<b>Application/Control Number:</b> 09/538106	<b>Art Unit:</b> 1642
<b>Fax No.:</b> 617-832-7000	<b>Phone No.:</b> <del>703-305-3586</del> 571-272-0838
<b>Voice No.:</b> 617-832-1770	<b>Return Fax No.:</b> <del>703-308-4242</del> 571-273-0838
<b>Re:</b> Sequence Alignment	<b>CC:</b>

☐ **Urgent**    ☐ **For Review**    ☐ **For Comment**    ☐ **For Reply**    ☒ **Per Your Request**

**Comments:**

As requested a copy of the sequence alignment

Christopher Yaen  
Art Unit 1642

**Number of pages** \_\_ **including this page**

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Assistant Commissioner for Patents  
Washington, DC 20231

```
Db      ITGROSLVLPYEPPOVGTFTVLYNFCNCSVGGNRRPILIIIVTLETRDQVLRRC 300
Qy      FEARICACPRDRKKADESIKQOVSSTKNGDCTKPPFRONTGHIOMTSIKKRSPDDE 360
Db      FEARICACPRDRKKADESIKQOVSSTKNGDCTKPPFRONTGHIOMTSIKKRSPDDE 360
Qy      LLYLPVGRRETYEMLLKIKESLELMQYLPQHTIETTYRQOQOQOHHLLQKQTSIQSPSSY 420
Db      LLYLPVGRRETYEMLLKIKESLELMQYLPQHTIETTYRQOQOQOHHLLQKQTSIQSPSSY 420
Qy      GNSSPPLNKNMKNKLPVSQINPQORNALTPPTIPDGMGANIPMGTHMPAGDMNGL 480
Db      GNSSPPLNKNMKNKLPVSQINPQORNALTPPTIPDGMGANIPMGTHMPAGDMNGL 480
Qy      SPTQALPPPLSMPTSHCTPPPPYPTDCSIVSFLARLGCSSCLDYFTTQGLTTIYQIENY 540
Db      SPTQALPPPLSMPTSHCTPPPPYPTDCSIVSFLARLGCSSCLDYFTTQGLTTIYQIENY 540
Qy      SMDDLASLKIPEQFRHAIWKGLDHRQLHEFSSPSHLRTPSSASTVSVSSETRGERVI 600
Db      SMDDLASLKIPEQFRHAIWKGLDHRQLHEFSSPSHLRTPSSASTVSVSSETRGERVI 600
Qy      DAVRFTLROTISFPPRDEWDFNFDMDARRNKQORKEEGE 641
Db      DAVRFTLROTISFPPRDEWDFNFDMDARRNKQORKEEGE 641
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## RESULT 3

```
RESULT 2
US-09-542-615A-339
; Sequence 339, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542.615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 339
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-542-615A-339

Query Match          99.9%; Score 3401; DB 4; Length 641;
Best Local Similarity 99.8%; Pred. No. 2.9e-304;
Matches 640; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 MSQSTQTNFELSPEYFOHIDFLBQPTCSVQPIDLNFVDEPSEDGATNKIETSMDCIRMQ 60
Db      1 MSQSTQTNFELSPEYFOHIDFLBQPTCSVQPIDLNFVDEPSEDGATNKIETSMDCIRMQ 60
Qy      61 DSDLSDPMPQYTNLGLLNSMDQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSSTFDAL 120
Db      61 DSDLSDPMPQYTNLGLLNSMDQIQNGSSSTSPYNTDHAQNSVTAPSPYAQPSSSTFDAL 120
Qy      121 SPSPALPNTDYPGPHSFDVSFQSSSTAKSATWTYSELKLYCQAKTCPIQKVTTP 180
Db      121 SPSPALPNTDYPGPHSFDVSFQSSSTAKSATWTYSELKLYCQAKTCPIQKVTTP 180
Qy      181 PGAVIRAMPYTKAEHVTEVVKRCPNHELSEFNEGOIAPPSHLIRVEGNSHAQYVEDP 240
Db      181 PGAVIRAMPYTKAEHVTEVVKRCPNHELSEFNEGOIAPPSHLIRVEGNSHAQYVEDP 240
Qy      241 ITGROSLVLPYEPPOVGTFTVLYNFCNCSVGGNRRPILIIIVTLETRDQVLRRC 300
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